

Converting Colors

XYZ(17.8685, 38.5523, 12.3461)

Have a look what the booklet for
XYZ(17.8685, 38.5523, 12.3461)
contains.

XYZ(20.8454, 39.9221, 12.4014)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.8454, 39.9221,
12.4014)**

Conversions

Conversions Part 1

Format	Color
Hex	00C446
RGB	0, 196, 70
RGB Percent	0%, 77%, 27%
CMY	1.0000, 0.2314, 0.7255
CMYK	1.00, 0.00, 0.64, 0.23
HSL	141°, 100%, 38%
HSV	141°, 100%, 77%
XYZ	20.8454, 39.9221, 12.4014
YIQ	123.0320, -76.3700, -80.7380

Conversions

Conversions Part 2

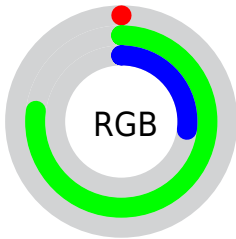
Format	Color
RYB	0, 144, 196
Decimal	50246
CIELab	69.41, -66.64, 50.32
CIELCh	69, 83.501, 142.943
Yxy	39.9221, 0.2849, 0.5456
Android (android.graphics.Color)	4278240326 (0xFF00C446)
YUV	123.0320, -26.1448, -107.8991
Hunter-Lab	63.1839, -51.6819, 32.5916

Details

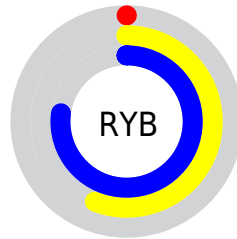
The XYZ color **20.8454, 39.9221, 12.4014** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **26.5318, 13.2426, 20.8965**, and the grayscale version is **18.9397, 19.9260, 21.6994**.

A 20% lighter version of the original color is **44.2725, 75.0230, 30.8864**, and **9.4274, 18.7759, 3.3857** is the 20% darker color. If you saturate the color by 10%, you get **20.8463, 39.9237, 12.4023**, and if you desaturate by 10%, it is **21.5673, 40.2445, 14.7349**.

Distribution



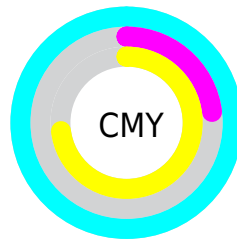
- Red (0%)
- Green (77%)
- Blue (27%)



- Red (0%)
- Yellow (56%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8454, 39.9221, 12.4014 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.8454, 39.9221, 12.4014 by changing the saturation by 10% instead.


 20.8454, 39.9221,
12.4014


 20.8454, 39.9221,
12.4014


249.2030,
345.7951, 218.1162


 13.1229, 27.4778,
6.8918


 44.3233, 75.0449,
30.8994


 7.5908, 17.9324,
3.3171


 60.8094, 98.4922,
44.7248


 3.8838, 10.9015,
1.2587


 80.9474, 126.3759,
62.1593

 1.6366, 6.0006,
0.0276

 105.1026,
159.0805, 83.6214

 0.4161, 2.8455,
0.0000

 133.6404,
196.9903, 109.5296

 0.0000, 1.0516,
0.0000

166.9262,

 0.0000, 0.0000,

240.4897, 140.3024

0.0000

205.3253,
289.9632, 176.3584

■ 20.8454, 39.9221,
12.4014

■ 20.8454, 39.9221,
12.4014

■ 20.8463, 39.9237,
12.4023

■ 21.5673, 40.2445,
14.7349

■ 22.6599, 40.7467,
17.5457

■ 24.2290, 41.4838,
20.8628

■ 26.3304, 42.4841,
24.7106

■ 29.0119, 43.7718,
29.1114

■ 32.3156, 45.3683,
34.0866

■ 36.2797, 47.2927,
39.6561

■ 40.9390, 49.5626,
45.8390

■ 46.3260, 52.1945,
52.6534

Harmonies

Analogous

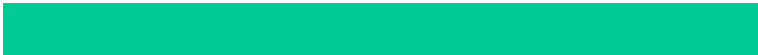
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.7443, 39.9221, 4.7428



20.8454, 39.9221, 12.4014



17.6569, 39.9221, 35.0019

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.8454, 39.9221, 12.4014



34.8602, 39.9221, 165.8858



67.0319, 39.9221, 20.5469

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.8454, 39.9221, 12.4014



26.5318, 13.2426, 20.8965

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.7670, 39.9221, 53.2006



20.8454, 39.9221, 12.4014



48.9248, 39.9221, 153.3026

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.8454, 39.9221, 12.4014



24.4160, 39.9221, 133.2025



62.5024, 39.9221, 104.9850



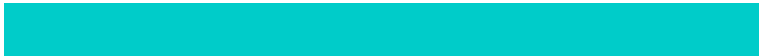
55.7263, 39.9221, 7.1343

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.8454, 39.9221, 12.4014



17.9348, 39.9221, 62.2213



62.5024, 39.9221, 104.9850



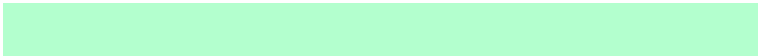
69.0784, 39.9221, 28.9217

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.8464, 39.9237, 12.4023



65.3540, 85.4918, 71.3364



28.5532, 44.0245, 6.9927



13.3034, 17.9659, 14.3202



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.8464, 39.9237, 12.4023



37.6515, 72.2766, 21.8807



26.6792, 42.2569, 43.1174



10.0897, 11.3169, 11.4758



13.4317, 25.6668, 8.1666



0.6134, 1.1222, 0.5270

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.5318, 13.2426, 20.8965



47.9341, 23.9377, 37.1808



22.9927, 11.8270, 2.2595



10.3396, 10.1845, 11.8790



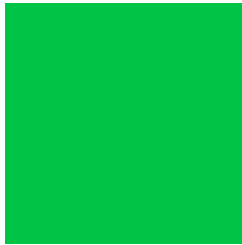
17.0894, 8.5255, 13.6489



0.7703, 0.3811, 0.7576

Previews

White Background



This preview shows how the XYZ color 20.8454, 39.9221, 12.4014 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8454, 39.9221, 12.4014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8454, 39.9221, 12.4014

Background



This preview shows how black text looks on a background with the XYZ color 20.8454, 39.9221, 12.4014.



This preview shows how white text looks on a background with the XYZ color 20.8454, 39.9221,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.8454, 39.9221, 12.4014

Protanopia

35.6112, 39.0444, 10.2168

Deuteranopia

39.7881, 39.0011, 13.2155



Tritanopia

30.3510, 39.6065, 59.4712

Trichromacy



Original Color

20.8454, 39.9221, 12.4014



Protanomaly

24.6203, 36.2155, 10.6937



Deuteranomaly

25.7988, 35.3285, 12.4805



Tritanomaly

24.8845, 38.8789, 35.4710

Monochromacy



Original Color

20.8454, 39.9221, 12.4014



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.5469, 24.4319, 16.9404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8454, 39.9221, 12.4014 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 196, 70)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 70)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 196, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.8454, 39.9221, 12.4014 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 196, 70) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 196, 70) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 196, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 70);  
box-shadow:4px 4px 4px 4px rgb(0, 196, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8454, 39.9221, 12.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 70) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 196,  
70) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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